

Diagram illustrating the installation of a cable tray (CINTA DE SENALIZACION) on a concrete base (PAVIMENTO). The drawing shows the tray resting on a concrete support (FIRME) and being secured by a mechanical protection (PROTECCION MECANICA). The tray is filled with a material (RELLENO DE ZANJA) and covered by a cover plate (Placa cubre cables). The dimensions are specified as follows:

- Overall width: A
- Overall height: H
- Tray height: 0.10
- Tray depth: 0.30
- Tray width: 0.40
- Tray thickness: 0.10
- Tray width (inner): 0.25
- Tray width (outer): 0.10

Labels and components:

- PAVIMENTO
- FIRME
- CINTA DE SENALIZACION
- RELLENO DE ZANJA (Con tierra o arena en tongadas de 10 cm.)
- PROTECCION MECANICA (Placa cubre cables)
- ASIENTO DEL CABLE
- Arena río
- Arena caliza
- Tierra cribada

Diagrama de un sistema de cableado enterrado en una zanja. El diagrama muestra una sección transversal de la zanja con las siguientes capas y componentes:

- PAVIMENTO**
- FIRME**
- CINTA DE SENALIZACION** (0.10)
- RELLENO DE ZANJA** (Con tierra o arena en tongadas de 10 cm.)
- PROTECCION MECANICA** (Placa cubre cables)
- CABLES BAJA TENSION** (0.30)
- CABLES ALTA TENSION** (0.10)
- ASIEN TO DEL CABLE** (0.10)
- Arena r ío**
- Arena caliza**
- Tierra cribada**

Dimensiones:

- A**: Ancho total de la zanja.
- B**: Ancho de la zanja.
- C**: Ancho de la placa cubre cables.
- H**: Profundidad total de la zanja.
- h1**: Profundidad de la zanja.
- h2**: Profundidad de la capa de protección.

PAVIMENTO

FIRME

0.10

CINTA DE SENALIZACION
En acera o jardín

RELLENO DE ZANJA

Aceras y jardines | Yerra o arena

Calzadas | Hormigon ciclopeo H-175

0.10

0.31

0.09

ASIENTO TUBOS

PARA ALTA TENSION
Hormigon H-175

TUBOS PVC ø 160

0.05

0.02

A

H

PAVIMENTO

FIRME

0.10

CINTA DE SENALIZACION
En acera o jardín

RELLENO DE ZANJA

Aceras y jardines | Yerra o arena

Caizadas | Hormigon ciclopeo H-175

0.10

0.31

0.05

ASIENTO TUBOS
Hormigon H-175

TUBOS PVC ø 160 PARA ALTA TENSION

TUBOS PVC ø 110 PARA BAJA TENSION

A

H

0.05

0.02

0.02

PAVIMENTO

FIRME

0.10

CINTA DE SENALIZACION
En acera o jardín

RELLENO DE ZANJA

Aceras y jardines | Yerra o arena

Calzadas | Hormigon ciclopeo H-175

0.02

0.10

0.02

0.02

0.05

0.05

0.02

0.57

TUBOS PVC \varnothing 110 PARA BAJA TENSION

ASIENTO TUBOS
Hormigon H-175

TUBOS PVC \varnothing 160 PARA ALTA TENSION

H

h1

A

Technical drawing showing the installation of a cable tray (canal) for low voltage cables (CABLES BAJA TENSION).

The drawing includes a top view and a side view, illustrating the dimensions and components of the installation.

Dimensions:

- Top View:**
 - Overall width: A
 - Distance from the left edge to the first cable: 0.10
 - Distance between the first and second cables: 0.02
 - Distance between the second and third cables: 0.02
 - Distance between the third and fourth cables: 0.10
 - Distance between the fourth and fifth cables: 0.25
- Side View:**
 - Overall height: H
 - Height of the cable tray: h
 - Height of the cable tray from the base: h_1
 - Height of the cable tray from the base (including the cable): h_2
 - Height of the cable tray from the base (including the cable and the protective plate): h_3
 - Height of the cable tray from the base (including the cable, the protective plate, and the mechanical protection): h_4
 - Height of the cable tray from the base (including the cable, the protective plate, the mechanical protection, and the warning tape): h_5
 - Height of the cable tray from the base (including the cable, the protective plate, the mechanical protection, the warning tape, and the fill): h_6
 - Height of the cable tray from the base (including the cable, the protective plate, the mechanical protection, the warning tape, the fill, and the pavement): h_7

Components and Labels:

- PAVIMENTO
- FIRME
- CINTA DE SEÑALIZACION
- RELLENO DE ZANJA (Con tierra o arena en tongadas de 10 cm.)
- PROTECCION MECANICA (Placa cubre cables)
- TUBOS PVC $\phi 110$ PARA BAJA TENSION
- ASIENTO DEL CABLE
 - Arena rio
 - Arena caliza
 - Tierra cribada
- CABLES BAJA TENSION

Diagram illustrating the cross-section of a cable protection system, showing the following components and dimensions:

- PAVIMENTO** (Pavement)
- FIRME** (Base)
- CINTA DE SENALIZACION** (Warning Tape)
- RELLENO DE ZANJA** (Trench Filling) (Con tierra o arena en tongadas de 10 cm.)
- PROTECCION MECANICA** (Mechanical Protection) (Placa cubre cables)
- ASIENTO DEL CABLE** (Cable Bedding)
 - Arena rio
 - Arena caliza
 - Tierra cribada

Dimensions:

- A**: Horizontal distance between the pavement edge and the warning tape.
- H**: Total height of the trench.
- 0.10**: Thickness of the pavement.
- 0.10**: Thickness of the base.
- 0.10**: Thickness of the warning tape.
- 0.15**: Thickness of the mechanical protection plate.
- 0.25**: Total thickness of the bedding layers.
- 0.10**: Thickness of the cable bedding layer.
- 0.10**: Thickness of the cable bedding layer.

Diagram illustrating the cross-section of a cable trench installation, showing the following layers and dimensions:

- PAVIMENTO** (Pavement)
- FIRME** (Subgrade)
- RELLENO DE ZANJA** (Trench Filling) (Con tierra o arena en tongadas de 10 cm.)
- PROTECCIÓN MECÁNICA** (Placa cubre cables)
- TUBOS PVC Ø 110 PARA BAJA TENSION** (PVC Tubes for Low Tension)
- ASIENTO DEL CABLE** (Cable Bedding)
 - Areno caliza (Lime sand) - 0.05
 - Tierra cribada (Sifted earth) - 0.02
- CINTA DE SEÑALIZACIÓN** (Warning Tape) - 0.10
- Dimensions:**
 - A:** Trench width
 - H:** Total trench depth
 - 0.05, 0.02, 0.05:** Bedding layer dimensions
 - 0.10:** Warning tape thickness

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